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300

180

210

240

270

9

30

9

480

Arg Thr Glu Ala Tyr Leu Arg Val Leu Gln Gln Lys Val Thr Ala Asp Thr Gln Ile Val Val Cys Leu Leu Ser Ser Asn Arg Lys Asp

Lys Tyr Asp Ala lle Lys Lys Tyr Leu Cys Thr Asp Cys Pro Thr Pro Ser Gln Cys Val Val Ala Arg Thr Leu Gly Lys Gln Gln Thr

Val Met Ala Ile Ala Thr Lys Ile Ala Leu Gln Met Asn Cys Lys Met Gly Gly Glu Leu Trp Arg Val Asp Ile Pro Leu Lys Leu Val	540
Met Ile Val Gly Ile Asp Cys Tyr His Asp Met Thr Ala Gly Arg Arg Ser Ile Ala Gly Phe Val Ala Ser Ile Asn Glu Gly Met Thr	570
Arg Trp Phe Ser Arg Cys Ile Phe Gln Asp Arg Gly Gln Glu Leu Val Asp Gly Leu Lys Val Cys Leu Gln Ala Ala Leu Arg Ala Trp	009
Asn Ser Cys Asn Glu Tyr Met Pro Ser Arg Ile Ile Val Tyr Arg Asp Gly Val Gly Asp Gly Gln Leu Lys Thr Leu Val Asn Tyr Glu	630
Val Pro Gln Phe Leu Asp Cys Leu Lys Ser Ile Gly Arg Gly Tyr Asn Pro Arg Leu Thr Val Ile Val Val Lys Lys Arg Val Asn Thr	099
Arg Phe Phe Ala Gin Ser Gly Gly Arg Leu Gln Asn Pro Leu Pro Gly Thr Val Ile Asp Val Glu Val Thr Arg Pro Glu Tm Tvr Asn	069
Phe Phe Ile Val Ser Gln Ala Val Arg Ser Gly Ser Val Ser Pro Thr His Tvr Asn Val Ile Tvr Asn Asn Ser Gly I an I am Anna Anna	
His Ille Glu Arg Leu Thr Tvr I vs I en Cvs His Ille Tim Tim Acon Tam Day Classification and a second	720
The Arian of the A	750
Lys Leu Ala Phe Leu Val Gly Gln Ser Ile His Arg Glu Pro Asn Leu Ser Leu Ser Asn Arg Leu Tyr Tyr Leu	775

Figure 1 Continued

PIWI	MADDQGRGRRPLNEDDSSTSRGSGDGPRVKVFRG	SSSGDPRADPRIEASRERRALE	EAPR
	M F MIF	G R L	01
HIWI	MIF	GVNTRQNLL	nv
PIWI	REGGPPERKPWGDQYDYLNTRPVELVSKKGTDGVF K E SK G+ G+	VMLQTNFFRLKTKPEWRIVHYH V L TN FRL ++P+W + YH	IVEFE 1+++ 122
HIWI.		VRLSTNHFRLTSRPQWALYQYH	IDYN
PIWI	PSIENPRVRMGVLSNHANLLGSGYLFDGLQLFTTR P +E R+R +L H +L+G + FDG LF +	KFEQEITVLSGKSKLDIEYKIS	SIKFV FI 183
HIWI			
PIWI	+ P LQ N+I RR +K +NL+ +GRN +	-+P I+I ++++WPG+ TS	SI Q+ 244
HIWI	NELPPTSPTCLQFYNIIFRRLLKIMNLQQIGRNYY	NPNDPIDIPSHRLVIWPGFTTS	;ILQY
PIWI	EKDILLGTEITHKVMRTETIYDIMRRCSHNPARH- E I+L T+++HKV+R+ET+ D M H H		
HIWI	ENSIMLCTDVSHKVLRSETVLDFMFNFYHQTEEHK	TFQEQVSKELIGLVVLTKYNNKI	YRVD
PIWI	DVDFGQTPKSTF-SCKGRDISFVEYYLTKYNIRIF D+D+ Q PKSTF G ++SF+EYY +YN I	RDHNQPLLISK-NRDKALKTNAS	ELVV . + 366
HIWI			
PIWI	LIPELC +TGL +MR++F +M+ ++ +TR+ P+Q	R RL + H+ N	LR 427
HİWI	LIPELCYLTGLTDKMRNDFNVMKDLAVHTRLTPEQ	PROREVGRLIDYIHKNDNVQ	-RELR
PIWI	DWNMELDKNVTEVQGRIIGQQNIVFHNGKVPAGEN DW + D N+ GRI+ + İ H G N	IADWQRHFRDQRMLTTPSDG I ADW + R +++	LDRW LD W 488
HIWI	DWGLSFDSNLLSFSGRILQTEKIHQGGKTFDYN	IPQFADWSKETRGAPLISVKP	LDNW
PIWI	AVIAPQRNSHELRTLLDSLYRAASGMGLRIRSPQE +I +RN +L+ +L++ MG+++R		
HIWI	LLIYTRRNYEAANSLIQNLFKVTPAMGMQMRK-AI	MIEVDDRTEAYLRVLQQKVTAL	VIQIV
PIWI	LCLVPNDNAERYSSIKKRGYVDRAVPTQVVTLKTT CL+ ++ ++Y +IKK D P+Q V +T		
HIWI			
PIWI	MIELPLSGLMTIGFDIAKSTRDRKRAYGALIASMI +++PL +M +G D +R+ +AS++		TLWP L 671
HIWI	RVDIPLKLVMIVGIDCYHDMTAGRRSIAGFVASIN	I-EGMTRWFSRCIFQDRGQELVI	GLKV .
PIWI	MIAKALRQYQHEHRKLPSRIVFYRDGVSSGSLKQI + ALR + ' + +PSRI+ YRDGV G LK I		SPPQL P+L 732
HIWI	CLQAALRAWNSCNEYMPSRIIVYRDGVGDGQLKTI		PRL
PIWI	AYIVVTRSMNTRFFLNGQNPPPGTIVDDVIT	CLPERYDFYLVSQQVRQGTVSP1 PE YDF++VSQ VR G+VSP1	
HIWI	TVIVVKKRVNTRFFAQSGGRLQNPLPGTVIDVEVT		
PIWI	LYSSMGLSPEKMQKLTYKMCHLYYNWSGTTRVPAV +Y + GL P+ +Q+LTYK+CH+YYNW G RVPA		
HIWI			
	KFYYL + YYL 859	T01	
	RLYYL	Figure 1	

Continued



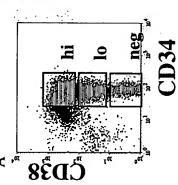
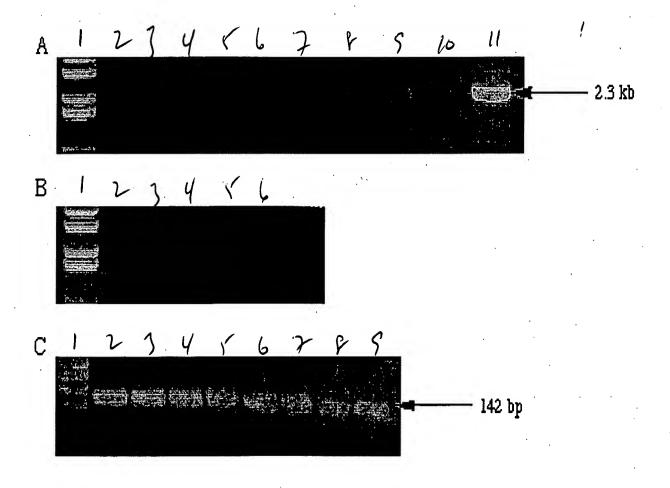


Figure 2



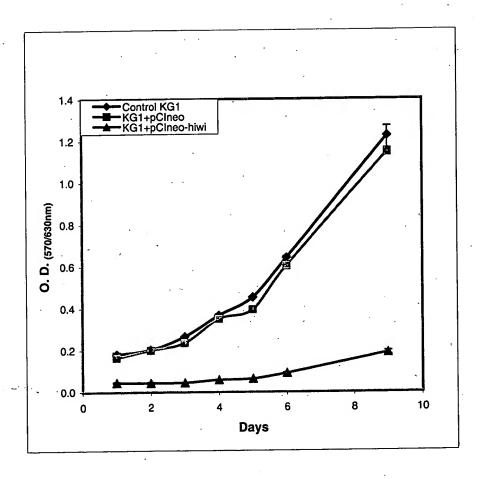
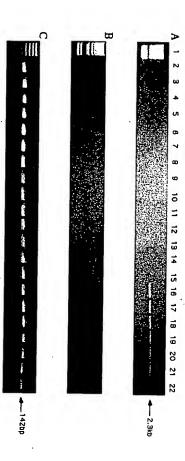
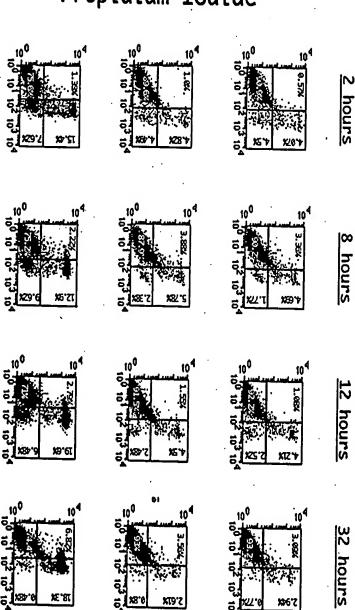


Figure 4



igure 5

Propidium Iodide



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Figure 6

1 Kb Ladder Heart Brain Kidney Liver Lung Skeletal muscle Thymus Prostate Testis

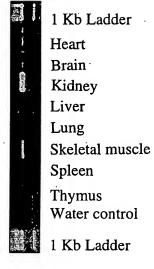
Leukocyte

Placenta Pancreas

Small intestine

Ovary

 \mathbf{B}



Water control 1 Kb Ladder





Figure 8

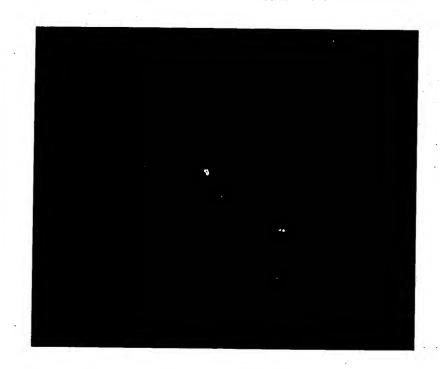


Figure 9

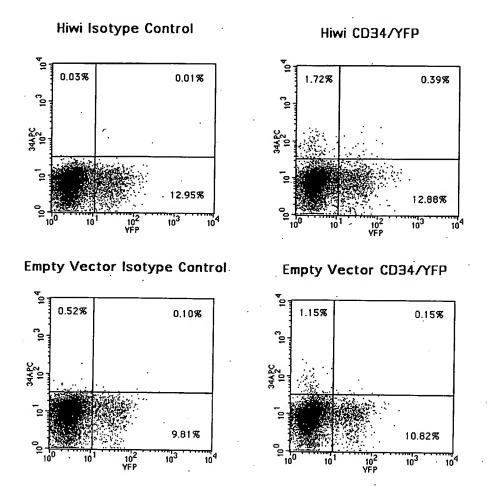


Figure 10